

#13 1/2 / And C
8/5/99
C. McKinney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Whitehouse et al.

Patent Application

Serial No.: 08/694,542

Filing Date: August 9, 1996

Examiner: B. Anderson

Art Unit: 2878

For: Multipole Ion Guide
Mass Spectrometry
with MS/MSⁿ Analysis

Attorney Docket No.: 840.052

Assistant Commissioner for Patents
Washington, D.C. 20231

Amendment

In the Specification

Please delete the prior Abstract and add a new Abstract as follows:

-Abstract

A Time-Of-Flight (TOF) mass analyzer is configured with a multipole ion guide in the ion path between the ion source and pulsing region of the mass analyzer, and enables trapping or transmission of ions from an atmospheric pressure ion source. The mass-to-charge (m/z) range(s) of ions transmitted through or trapped in the ion guide can be selected. Ions with stable trajectories can undergo Collisional Induced Dissociation (CID). During ion fragmentation, the ion guide potentials can be set to transmit or trap fragment ions produced by CID. The parent and fragment ion population can be delivered from the ion guide to the

LEVISSOHN, LERNER, BERGER & LANGSAM

757 THIRD AVENUE
SUITE 2400
NEW YORK, NEW YORK 10017

212-486-7272

EMAIL: MCOHEN@LBL.COM
FACSIMILE: 212-486-0323

FACSIMILE TRANSMISSION

TO: United States Patent and Trademark Office Fax No.: 703-308-7721

ATTN: Examiner Bruce Anderson, Art Unit 2878

FROM: Morris E. Cohen
LEVISSOHN, LERNER, BERGER & LANGSAM

DATE: August 4, 1999

PAGES INCLUDING THIS COVER SHEET: 3
CONFIRMATION BY MAIL TO FOLLOW - YES NO

COMMENTS:

CONFIDENTIALITY NOTE

The documents accompanying this facsimile transmission contain information from the law firm of LEVISSOHN, LERNER, BERGER & LANGSAM which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution, or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.